FUJITSU COMPUTERS SIEMENS

FSC PRIMECENTER Rack 12U/24U/38U/46U

System configurator and order-information guide

October 2007

Contents

Configurator diagram
Configuration Examples KVM S2-1
SX30 Cables
SX30 Cable Connections
SX10 Cable Connections
Information Config SX40
LAN Cabling
Data Sheet Smart UPS
General rack accessories
Change Report

PRIMERGY Server

Configuration and order process informations

This document contains technical background information for the installation of servers and components into the PRIMECENTER Rack.

Please use the latest version of System-Architect for configuration.
The System-Architect, a configuration tool with graphical user interface, enables you to gain an overview over the required configuration even while planning the system.
A simultaneous examination of consistence ensures completeness and functionality of the required system.

For the latest tools please go to:
http://extranet.fujitsu-siemens.com/fsc/products/configuration/main-e.htm

Further information in the internet see:
http://www.primergy.com (internet)
http://extranet.fujitsu-siemens.com/primergy (extranet)

With your rack order, please absolutely send the Rack-Architect picture and the filled-in cable plan.

Additionally to each rack-order the rack-check list has to be filled in, see:

http://configurator.fujitsu-siemens.com/public/information/Rack-Checkliste.xls

Please send your desired configuration from the rack architekt and the form sheet for external connections and hard disk configurations with the respective order numbers additionally to your order in SAP.
You can e-mail it to the following address (.xls or .sar):

To: Fujitsu Siemens Computers GmbH
CL OM Zentral Functions
Konfig-Team

Tel no. +49 (0) 821 / 804-3362
e-mail: rack-check@fujitsu-siemens.com

Rack assembly at customer site:
stacked versions will be delivered separately; max permitted stacked hight is 50 U.
The 12U, 24U and 38U racks will be delivered fully equipped, whilst the 46U racks will be delivered with mounting kits and cabeling preinstalled, if the service "rackmounting ex factory" (SNP:SY-F1647E301-P) was ordered for each Server and Subsystem.
The on-site service has to be requested for power installation and in case of the 46U racks for server installation at the customers site. This service is not included in the price of the rack.

Rack-configurations with PRIMERGY systems

S26361-K826-V101

PRIMECENTER Rack 12 U, stackable
basic cabinet (670 mm) according to
protection type IP00 with side panels,
lockable front- and back-door.
Including tilting protection
Horizontal self-ventilation
incl. mounting-kit for stack fixing
Mounting frame 1x 2U vertical
Circumferential cable
management at the back,
cable outlet to the top, below,
left and right.
Addition of several racks without
accessory, no personal variation.
Basic rack without
power connection; refer to part H/I
for further informations and order
numbers (connection concepts).
HxWxD = 670 x 700 x **1000 mm**
including:
- installation preparation
- packing
- accessory pack including:
Server addition (var.installation material)
Manual German / English

S26361-K826-V102

PRIMECENTER Rack 24 U, stackable
basic cabinet (1220 mm) according to
protection type IP00 with side panels,
lockable front- and back-door.
Including tilting protection
Horizontal self-ventilation

Mounting frame 2x 2U vertical
Circumferential cable
management at the back,
cable outlet to the top, below,
left and right.
Addition of several racks without
accessory, no personal variation.
Basic rack without
power connection; refer to part H/I
for further informations and order
numbers (connection concepts).
HxWxD = 1220 x 700 x **1000 mm**
including:
- installation preparation
- packing
- accessory pack including:
Server addition (var.installation material)
Manual German / English

S26361-K826-V103

PRIMECENTER Rack 38 U, stackable
basic cabinet (1825 mm)
to protection type IP00 with side panels,
lockable front- and back-door.
Including tilting protection
Horizontal self-ventilation

Mounting frame 3x 2U vertical
Circumferential cable
management at the back,
cable outlet to the top, below,
left and right.
Addition of several racks without
accessory, no personal variation.
Basic rack without
power connection; refer to part H/I
for further informations and order
numbers (connection concepts).
HxWxD = 1825 x 700 x **1000 mm**
including:
- installation preparation
- packing
- accessory pack including:
Server addition (var.installation material)
Manual German / English

S26361-K826-V104

PRIMECENTER Rack 46 U
basic cabinet (2220 mm) according to
protection type IP00 with side panels,
lockable front- and back-door.
Including tilting protection
Horizontal self-ventilation

Mounting frame 3x 2U vertical
Circumferential cable
management at the back,
cable outlet to the top, below,
left and right.
Addition of several racks without
accessory, no personal variation.
Basic rack without
power connection; refer to part H/I
for further informations and order
numbers (connection concepts).
HxWxD = 2220 x 700 x **1000 mm**
including:
- installation preparation
- packing
- Rack demounting server
ex factory

- accessory pack including:
Server addition (var.installation material)
Manual German / English

S26361-F1647-L700
Hybrid rack service fee
Special configuration Hybrid-rack instalation
has to be ordered once per rack
Hybrid rack is a mixed PC-rack with
PRIMERGY and PRIMEPOWER

S26361-F2735-L212
Remodelling kit, 24U, up to 1100mm depth
Special configuration Hybrid-rack installation
has to be ordered once per rack
Hybrid rack is a mixed PC-rack with
PRIMERGY and PRIMEPOWER

S26361-F2735-L213
Remodelling kit, 38U, up to 1100mm depth
Special configuration Hybrid-rack installation
has to be ordered once per rack
Hybrid rack is a mixed PC-rack with
PRIMERGY and PRIMEPOWER

S26361-F2735-L214
Remodelling kit, 46U, up to 1100mm depth
Special configuration Hybrid-rack installation
has to be ordered once per rack
Hybrid rack is a mixed PC-rack with
PRIMERGY and PRIMEPOWER

Mounting frame 2U vertical 1...3x
This mounting frame allows vertical installation of
3x (46,38U), 2x (24U) or.1x (12U) 2U 19" components
with a depth less than 300 mm incl. cabeling.
For sideward mounting you can use e.g.
consolswitches, rack management systems etc.
Mounting frame is **always included.**
Free space has to be filled with dummy panels.

To avoid order problems, please send along the picture of the system-architect.

A

Rack-configurations with PRIMERGY systems

S26361-K826-V211

PRIMECENTER Rack 24 U, stackable
basic cabinet (1220 mm)
to protection type IP00 with side panels,
lockable front- and back-door.
Including tilting protection
Horizontal self-ventilation

Mounting frame 2x 2U vertical
Behind rotation cable duct 210mm depth
unmuffle with removable cover
cable exhaust to the top, below,
left and right.
Addition of several racks without
accessory, no personal variation.
Basic rack without
power connection; refer to part H/I
for further informations and order
numbers (connection concepts).
HxWxD = 1220 x 700 x **1100 mm**
including:
- **installation preparation**
- **packing**
- **reinforced tilting protection**
- **accessory pack including:**

Server addition (var.installation material)
Manual German / English

S26361-K826-V213

PRIMECENTER Rack 38 U, stackable
basic cabinet (1825 mm)
to protection type IP00 with side panels,
lockable front- and back-door.
Including tilting protection
Horizontal self-ventilation

Mounting frame 3x 2U vertical
Behind rotation cable duct 210mm depth
unmuffle with removable cover
cable exhaust to the top, below,
left and right.
Addition of several racks without
accessory, no personal variation.
Basic rack without
power connection; refer to part H/I
for further informations and order
numbers (connection concepts).
HxWxD = 1825 x 700 x **1100 mm**
including:
- **installation preparation**
- **packing**
- **reinforced tilting protection**
- **accessory pack including:**

Server addition (var.installation material)
Manual German / English

S26361-K826-V214

PRIMECENTER Rack 46 U, stackable
basic cabinet (2220 mm)
to protection type IP00 with side panels,
lockable front- and back-door.
Including tilting protection
Horizontal self-ventilation

Mounting frame 3x 2U vertical
Behind rotation cable duct 210mm depth
unmuffle with removable cover
cable exhaust to the top, below,
left and right.
Addition of several racks without
accessory, no personal variation.
Basic rack without
power connection; refer to part H/I
for further informations and order
numbers (connection concepts).
HxWxD = 2220 x 700 x **1100 mm**
including:
- **installation preparation**
- **packing**
- **reinforced tilting protection**
- **accessory pack including:**

Server addition (var.installation material)
Manual German / English

S26361-F1647-L700

Hybrid rack service fee
Special configuration Hybrid-rack instalation
has to be ordered once per rack
Hybrid rack is a mixed PC-rack with
PRIMERGY and PRIMEPOWER

Mounting frame 2U vertical 1...3x

This mounting frame allows vertical installation of
3x (46,38U), 2x (24U) or.1x (12U) 2U 19" components
with a depth less than 300 mm incl. cabeling.
For sideward mounting you can use e.g.
consolswitches, rack management systems etc.
Mounting frame is **always included.**
Free space has to be filled with dummy panels.

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PRIMECENTER LC- Rack-configurations with PRIMERGY systems

S26361-K1022-V100

PRIMECENTER LC Rack 38U / 31U
(31U useable for server)
basic cabinet (1825 mm) according
to protection type IP52 with side panels,
lockable front- and back-door.
Including tilting protection
Liquid cooled via chilled water
(connection to external water via "quick lock")
Mounting frame 1x 2U vertical
Circumferential cable
management at the back,
cable outlet to the top, below,
Addition of several racks without
accessory, no personal variation.
Basic rack without
power connection; refer to part H/I
for further informations and order
numbers (connection concepts).
HxWxD = 1825 x 700 x **1200 mm**
including:
- heatexchanger
- climate rear door with fans
- Rack monitoring system
- Door contact and controll
- Smokedetector
- Temperature and humidity sensor

- installation preparation
- packing

- accessory pack including:
Server addition (var.installation material)
Manual German / English

S26361-K1022-V200

PRIMECENTER LC Rack 46U / 40U
(40U useable for server)
basic cabinet (2220 mm) according to
protection type IP52 with side panels,
lockable front- and back-door.
Including tilting protection
Liquid cooled via chilled water
(connection to external water via "quick lock")
Mounting frame 2x 2U vertical
Circumferential cable
management at the back,
cable outlet to the top, below,
Addition of several racks without
accessory, no personal variation.
Basic rack without
power connection; refer to part H/I
for further informations and order
numbers (connection concepts).
HxWxD = 2220 x 700 x **1200 mm**
including:
- heatexchanger
- climate rear door with fans
- Rack monitoring system
- Door contact and controll
- Smokedetector
- Temperature and humidity sensor

- installation preparation
- packing
- Rack demounting server ex factory

- accessory pack including:
Server addition (var.installation material)
Manual German / English

Delivery with installed servers in 46U possible!
This feature will be released on the 1. April 2007

Mounting frame 2U vertical 1...3x

This mounting frame allows vertical installation of
2x (46U), 1x (38U) 2U 19" components
with a depth less than 300 mm incl. cabeling.
For sideward mounting you can use e.g.
consolswitches, rack management systems etc.
Mounting frame is **always included.**
Free space has to be filled with dummy panles.

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Build in Basic Units

To ensure that a 19" PRIMERGY Server or PRIMERGY Subsystem can be mounted into the rack ex works, you have to order one of the following "mounting kits for 19" PRIMECENTER Racks" out of the relevant configurators once per Server or PRIMERGY Subsystems.

Additionally per PRIMERGY Server or PRIMERGY Subsystem the service "Rack installation ex works" has to be ordered. Ordering this service includes assembly of the systems, complete cabeling and labelling of the cables.

The 12/24/38/46 U rack is delivered fully equipped, and all LC-racks are delivered mounting kits and cabling preinstalled. Stacked racks will be delivered separat.

The following listing is provided for information only and gives you an overview of the available mounting kits.

For informations about build in PRIMEPOWER and LoB Storage products, please refer to the corresponding configurator.

S26361-F2734-E20 Depth-variable from 710 - 815 mm
RMK 10 D/P/3rd P Racks sliding rails for PRIMERGY SX30/S60 (3 U)

Included in basic unit Depth-variable from 710 - 815 mm
RMK D/P/3rd P Racks sliding rails for PRIMERGY SX10 (3 U)

S26361-F2734-L70 Depth-variable from 704 - 790mm
EBS 2 D/P/3rd P Racks telescopic rails for PRIMERGY TX200/TX300 (4 U)

Included in basic unit Depth-variable from 650 - 790 mm
RMK D/P/3rd P Racks telescopic rails for PRIMERGY RX200 (1 U)

Included in basic unit Depth-variable from 710 - 815 mm
RMK D/P/3rd P Racks telescopic rails for PRIMERGY RX300 (2 U)

Included in basic unit Depth-variable from 625 - 762 mm
RMK D/P/3rd P Racks sliding rails for PRIMERGY RX100 (1 U)

Included in basic unit Depth-variable from 625 - 762 mm
EBS D/P/3rd P Racks telescopic rails for PRIMERGY RX600 (3 U)

Included in basic unit Depth-variable from 710 - 815 mm
EBS D/P/3rd P Racks telescopic rails for PRIMERGY RX800 (4 U)

Included in basic unit Depth-variable from 713 - 812 mm
EBS D/P/3rd P Racks telescopic rails for PRIMERGY TX600 (5 U)

Included in basic unit Depth-variable from 647 - 810 mm
EBS D/P/3rd P Racks telescopic rails for PRIMERGY RXI600 (4 U)

Included in basic unit Depth-variable from 647 - 810 mm
EBS D/P/3rd P Racks telescopic rails for PRIMERGY RXI300 (2 U)

Included in basic unit Depth-variable from 645 - 785 mm
EBS D/P/3rd P Racks sliding rails for PRIMERGY BX600 (7 U)

Included in basic unit Depth-variable from 710 - 815 mm
RMK D/P/3rd P Racks sliding rails for PRIMERGY BX300 (3 U)

S26361-F2734-L14
Adapterkit to DC- and PC- racks
adaption of "old" classic- or DC- rack mounting kits to PRIMECENTER rack mounting kits
e.x. 670-xx, E200, Bxx0, RC21, UPS .....
contens different adapter angles
Contains **no** adapter angles and **no** cable management.

S26361-F2xxx-Lxx
Bulk ware orders for servers/storage subsystems, you have to order the L-version.

If a server or storage subsystem from the 3rd party rack is to be added into the PRIMECENTER Rack, you have to order the following numbers:

SNP:SY-F2262L20-P Cable management for 19" DC- PC- Rack
Additionally an adapter angle has to be ordered according to size and weight of the 19" component.
S26361-F2735-L10 adapter angle up to 50KG
or
S26361-F2735-L15 adapter angle up to 150KG

If you want to integrate a third party server into the DataCenter Rack, above mentioned positions also have to be ordered.
In addition to the servers, you have to order the original mounting kits

This service is to be ordered once per installable server/ storage subsystem, in order to get the server / storage subsystem mounted into the PRIMECENTER rack.
In case of all PRIMECENTER **LC** Racks, this service has to be ordered to get the mounting kits and the cables installed.

SNP:SY-F1647E301-P
Rack-mounting ex factory for all servers and subsystems

S26361-F1647-E302
Rack-mounting ex factory only for Primergy SX10 RX100, RX200

S26361-F1647-E100
Rack demounting server ex factory
Service fee, once per rack
All servers will be shiped seperatly
for PCRII: 12 - 38U, as an option
for PCRII: 46U, must-component
for LC-Rack 38U: as an option
for LC-Rack 46U: must-component

Rackconfigurations with a shipping weight above 250kg, if necessary, can be shipped for better transportation without servers installed by ordering this demounting service fee once per rack.

B

B Accessories

S26361-F2735-E1
Rotary knob as door latch replacement
For replacement of the key cylinder, in order to open or close the doors of a PC-Rack without the use of keys
- 2 pieces rotary knobs
- 1 removal tool for key zylinder

max. 1x per rack

S26361-F2735-L1
Knob as substitute of PC-rack doorlock, as lose delivery to upgrade at the customer.

S26361-F2735-E5
Earthing kit for PRIMECENTER Racks 1100mm + ass.
for earthing of cabinet, accessories and doors according to VDE 0100 part 540. Cabels to connect all conductive parts to the designated points are included.
Erarthing set is optional and is according to the standard not necessary.

max. 1x per rack

S26361-F2735-L5
Earthing kit PC-Rack 1100mm
As lose delivery to upgrade at the customer.
Earthing connectors are already available in the rack.

S26361-F2735-E130
Dummy panel plastics, 1 U + assembly

The dummy panels can also be used for vertical mounting frames

S26361-F2735-E131
Dummy panel plastics, 2 U + assembly

S26361-F2735-L13*
for bulk ware orders (plastics)

As lose delivery to upgrade at the customer.

SNP:SY-F1609Lx-P
for lose delivery (metal)

S26361-F1609-E35
Device base plate, 680mm deep including dummy panel 1U and adapter angle 50 kg+ mounting kit for PC-/DC-/ 3rd party racks

For add-on components, which comes additionally in the rack. Please notice necessary high units!

S26361-F1331-L200
For classic rack mounting to be orderd additionally

S26361-F2735-E20
Cable carrying tray DC-/PC-racks additional tray for sidewise routing and filing of cable bulks

For sidewise filing of cable bulks only for DataCenter and PRIMECENTER racks, no U needed

S26361-F2735-E25
Cable carrying plate 1U with dust cover installation horizontal and vertically possible

In order to route cables into a rack from front to rear of the rack also suitable for patch panels

Only with additional order of BX300 with PCI module and cable at front side in order to lead the cable into the rack

D:GPRAC-ZB0623
cable guide adapter
has the function of distance holder, when the 1U cable management is mount in a PCR2- and/or 3rd-party rack

as long as available

S26361-F2201-L20
cable management arm for 3rd party racks
all-purpose for PRIMERGY server in 3rd party racks
With D:GPRAC-ZB0623 also mount optional into PC rack applicable, without loss of a height unit

Orderable as an option
Installation instead of the provided cable management into PC Racks

S26361-F2735-E8
1U cable arm, hauled
Been suitable for the application also with 1U-Servern into PRIMECENTER rack
Serves as a substitute of the actual cable management arm for 3rd party racks (S26361-F2201-L20 + D:GPRAC-ZB0623)
Is mountable in the right plinth as well as in the left plinth of the Racks.

max. 1x per heigt unit (U)

S26361-F2735-L8
1U cable arm, hauled
As lose delivery to upgrade at the customer.

detailed pictures: see register general rack accessories

C

C Rack Console / Keyboards

S26361-K1023-V100
Rack console RC23 (1U)
17" TFT monitor with slide-in
incl. keyboard DE/INT with touchpad,
(Layout in german and US english)
and RMK D/P/3rd P Racks telescopic rails
Depth-variable from 708-786mm +/-2mm
connection KB/Touchpad over PS/2 (2x)
or USB (1x optional) is supported.
VGA-/ PS2-and USB-cable, part of
delivery (3m)

Country spezific version of RC23
German / US Englisch
S26361-K1023-V100 RC23 1U TFT, KB GE/US
US, Englisch
S26361-K1023-V200 RC23 1U TFT, KB US
UK, Englisch
S26361-K1023-V300 RC23 1U TFT, KB UK
French
S26361-K1023-V400 RC23 1U TFT, KB F
Spanish
S26361-K1023-V500 RC23 1U TFT, KB E
Italian
S26361-K1023-V600 RC23 1U TFT, KB I
Portuguese
S26361-K1023-V650 RC23 1U TFT, KB PT
Danish
S26361-K1023-V700 RC23 1U TFT, KB DK
Swedish
S26361-K1023-V750 RC23 1U TFT, KB SW
Belgian
S26361-K1023-V800 RC23 1U TFT, KB B

T26139-Y1742- L10
Grey power cord 1,8m for RC22
and RC23 only for direct deliverys
to USA / CAN.

S26361-F1331-L200
Adapterset Classic Rack

S26361-F3150-L100
RC23 cable kit USB (3m)
for lose delivery

Country spezific keyboard drawer 1U
S26361-F3401-E100
Keyboard drawer plus KB GE / INT
S26361-F3401-E200
Keyboard drawer plus KB US
S26361-F3401-E300
Keyboard drawer plus KB UK
S26361-F3401-E400
Keyboard drawer plus KB F
S26361-F3401-E600
Keyboard drawer plus KB I

Country spezific keyboard drawer 1U
as lose delivery

S26361-F3401-L100	KB GE / Int
S26361-F3401-L200	KB US
S26361-F3401-L300	KB UK
S26361-F3401-L400	KB F
S26361-F3401-L600	KB I

S26361-F3150-E100
RC23 cable kit USB (3m)
one cable for direct connection
to server with USB

S26361-F3150-L100
RC23 cable kit USB (3m)
for loose delivery

S26361-F1609-E17
Monitor installation kit for 15"and 17" TFT
Monitor including front panel 11U and
adapter angle 50 kg+ mounting
kit for PC-/DC-/ 3rd party racks

A monitor installation will reduce
air flow and, in consequence,
cooling capacity.
Danger of overheating can be
prevented by limiting the number
of components in all server
modules.
You will also loose 9U or 11U
in comparison with RC22

SNP:KB-Y2607E180-P
VGA-extension cable 1,8 m + assembly

T26139-Y2691-C180
for single order of the
VGA-extension cable 1,8 m

Only to be selected for
Monitor installation set if no
console switch is required

D

D KVM S2 / S3 switches

Analogue KVM Switches

S26361-F2293-E602
Console Switch KVM S2-1602
16-port with OSD, multi-platformable
2x local, 0x IP, 1U, cascadable
for connecting 16 servers to a monitor and
a keyboard with an integrated touchpad
or a keyboard and mouse.
Wiring over UTP CAT5,
Connection at servers with USB, PS/2, SUN IO

- 19" fixture (Installation horizontal and vertically possible)
- User manual in englisch

for the connection of 16 servers in the Non Blocking Mode or cascaded with other switches in Blocking Mode. (Cascading with ES* series is permitted.)
There are two local consoles in the rack connectablly.
Both user can access at the same time.

S26361-F2293-E801
Console Switch KVM S2-0801
8-port with OSD, multi-platformable
1x local, 0x IP, 1U, cascadable
for connecting 8 servers to a monitor and
a keyboard with an integrated touchpad
or a keyboard and mouse.
Wiring over UTP CAT5,
Connection at servers with USB, PS/2, SUN IO

- 19" fixture (Installation horizontal and vertically possible)
- User manual in englisch

for the connection of 8 servers in the Non Blocking Mode or cascaded with other switches in Blocking Mode. (Cascading with ES* series is permitted.)
There are one local console in the rack connectablly.

S26361-F2293-L621
S26361-F2293-L411
S26361-F2293-L611
S26361-F2293-L602
S26361-F2293-L801
for single order of the KVM Sx- switch series

T26139-Y1742- L10
Grey power cord 1,8m for KVM Switch. Only for direct deliverys to USA / CAN.

Digital KVM over IP Switches

S26361-F2293-E411
Console Switch KVM S2-0411
4-port with OSD, multi-platformable
1x local, 1x IP, 1U, cascadable
for connecting 4 servers to a monitor and
a keyboard with an integrated touchpad
or a keyboard and mouse.
Wiring over UTP CAT5,
Connection at servers with USB, PS/2, SUN IO

- KVM S3-Client SW for remote access over LAN, is included in the scope of supply.
- 16 bit video compression
- 19" fixture (Installation horizontal and vertically possible)
- User manual in Englisch

for the connection of 4 servers in the Non Blocking Mode or cascaded with other switches in Blocking Mode. (Cascading with ES* series is permitted.)
Please provide LAN connection with 10/100
KVM data are digitized and will be available over LAN.
A local console is likewise connectable.
Simultaneously use of both access options

S26361-F2293-E621
Console Switch KVM S3-1621
16-port with OSD, multi-platformable
1x local, 2x IP, 1U, cascadable
for connecting 16 servers to a monitor and
a keyboard with an integrated touchpad
or a keyboard and mouse.
Wiring over UTP CAT5,
Connection at servers with USB, PS/2, SUN IO

- KVM S3-Client SW for remote access over LAN, is included in the scope of supply.
- 16 bit video compression
- Virtual Media support via USB 2.0
  all USB 2.0 media released for PRIMERGY server are allowed, local or remote including USB boot
  KVM s3 USB2.0 adapter must be used
- LDAP support
- 19" fixture (Installation only **horizontally** possible)
- User manual in Englisch

for the connection of 16 servers in the Non Blocking Mode or cascaded with other switches in Blocking Mode. (Cascading with ES* series is permitted.)
Please provide LAN connection with 10/100
KVM data are digitized and will be available over LAN.
A local console is likewise connectable.
Simultaneously use of both access options

Cascading of DS1800, ES+, KVM S2 and KVM s3- switch series is generally possible, whereby the KVM Sx and DS1800 switches must always be at the end of the cascade.
KVM S2-1611 / 0411 / S3-1621 on top of KVM S2-1602 / 0801
KVM S2-1602 on top of KVM S2-1602 or KVM S2-0801
KVM S2-0801 on top of KVM S2-0801
DS1800 on top of KVM S2-1602 or KVM S2-0801

KVM S2-1611 / 0411 / S3-1621 on top of ES+
KVM S2-1602 / 0801 on top of ES+
Note: if need be two OSD menus for ES+ cascadings

Cascading of the KVM Sx switches among themselves will be done only with the help of a UTP CAT 5 cable (ARI-port) (S26361-F2293-E501)

For cascading (with ES+ switches)
the KVM S2-adapters and
the UTP CAT 5 cables (blue, RJ45) are used.
These are to be ordered 1x per switch which will be cascaded.

E

E KVM Sx adapters and cables

max. 16x

S26361-F2293-E201
KVM S2 adapter PS/2-VGA
2x PS/2 - VGA (Server connection) to UTP CAT 5 at the KVM S2-Switch)
Connection from the mouse-/KB-/Video-Port of the server and by CAT 5 cable to the KVM Sx-switch. UTP CAT 5 cable 1x for each adapter is to order additionally.
1x per server

S26361-F2293-E202
KVM S2 adapter USB-VGA
1x PS/2 - VGA (Server connection) to UTP CAT 5 at the KVM S2-Switch)
Connection from the mouse-/KB-/Video-Port of the server and by CAT 5 cable to the KVM Sx-switch. UTP CAT 5 cable 1x for each adapter is to order additionally.
1x per server

S26361-F2293-E203
KVM S3 adapter USB2.0-VGA
1x PS/2 - VGA (Server connection) to UTP CAT 5 at the KVM S2-Switch)
Connection from the mouse-/KB-/Video-Port of the server and by CAT 5 cable to the KVM S3-switch. UTP CAT 5 cable 1x for each adapter is to order additionally.
1x per server

S26361-F2293-E501
UTP CAT 5 cable (blue, RJ45) the length is customized and is accordingly inserted.
Connection cable between KVM S2-Switch and the CAT 5 port of the KVM S2-adapters
1x per adapter

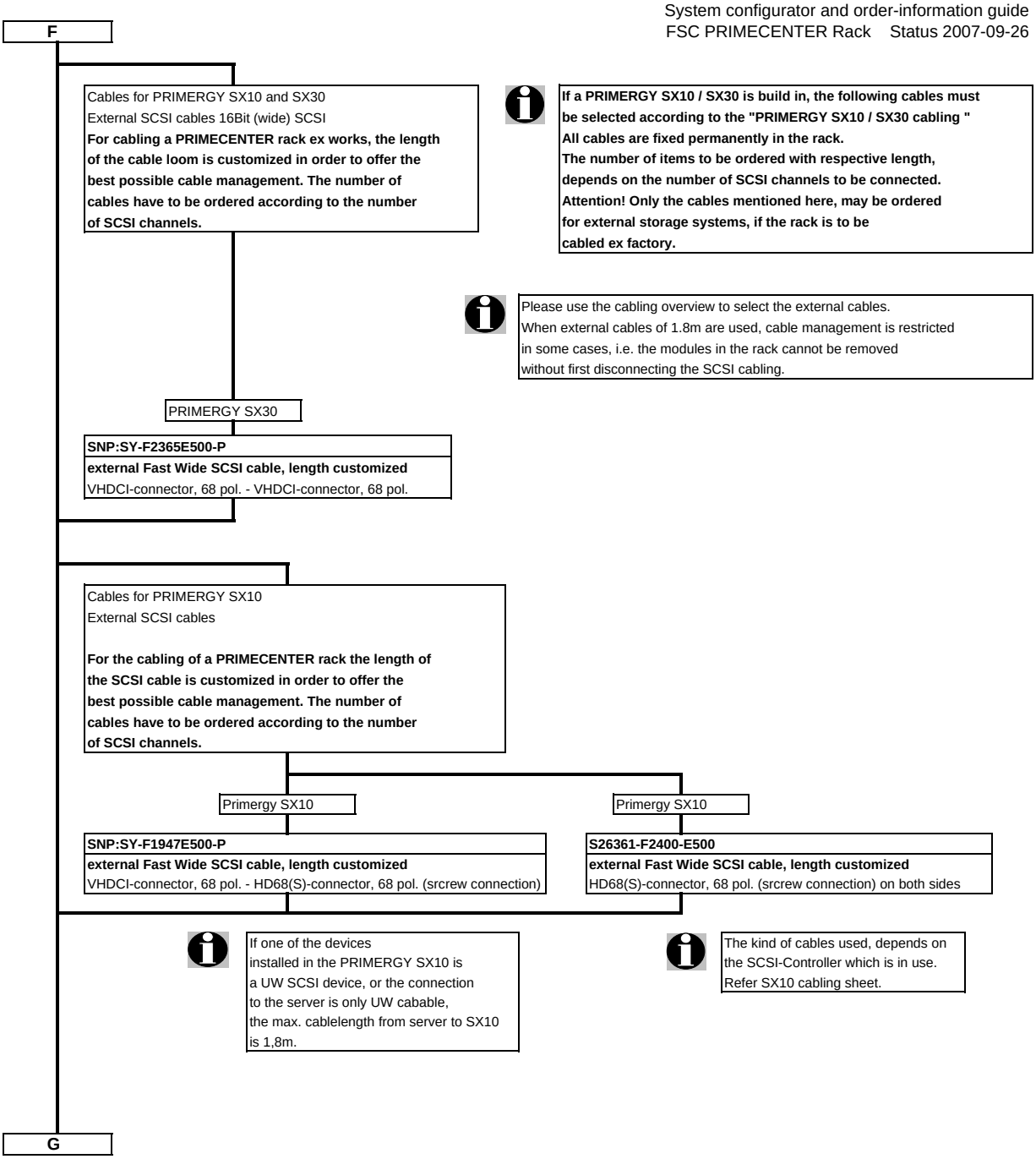
S26361-F2293-E203
The KVM s3 USB2.0-VGA adpater has to be ordered for each server which shall be configured for virtual media. Can be used with all KVM Sx switches, but VM is only working with S3 switch and s3 client SW
Not to be used with PRIMEPOWER and Servers without composite USB 2.0 support. For USB boot the server BIOS must support USB boot.
Virtual Media is not released for PRIMEPOWER

For the cabling of a PRIMECENTER Rack the length of the adapter set is customized in order to offer the best possible cable management. The number of cables have to be ordered according to the number of servers which have to be connected.

For the supplementory order of KVM S2-Switches can be ordered the following cable length of the UTP CAT 5 of cable (blue, RJ45) loosely. The appropriate KVM S2-adapter is to be ordered likewise .
S26361-F2293-L20 with **2m** lenght or
S26361-F2293-L50 with **5m** lenght or
S26361-F2293-L10 with **10m** lenght.
1x per server / adapter

S26361-F2293-L201
S26361-F2293-L202
S26361-F2293-L203
for single order of the KVM S2-adapter PS/2-VGA and USB-VGA

F


F
Cables for PRIMERGY SX10 and SX30
External SCSI cables 16Bit (wide) SCSI
For cabling a PRIMECENTER rack ex works, the length of the cable loom is customized in order to offer the best possible cable management. The number of cables have to be ordered according to the number of SCSI channels.
If a PRIMERGY SX10 / SX30 is build in, the following cables must be selected according to the "PRIMERGY SX10 / SX30 cabling "
All cables are fixed permanently in the rack.
The number of items to be ordered with respective length, depends on the number of SCSI channels to be connected.
Attention! Only the cables mentioned here, may be ordered for external storage systems, if the rack is to be cabled ex factory.
Please use the cabling overview to select the external cables.
When external cables of 1.8m are used, cable management is restricted in some cases, i.e. the modules in the rack cannot be removed without first disconnecting the SCSI cabling.
PRIMERGY SX30
SNP:SY-F2365E500-P
external Fast Wide SCSI cable, length customized
VHDCI-connector, 68 pol. - VHDCI-connector, 68 pol.
Cables for PRIMERGY SX10
External SCSI cables
For the cabling of a PRIMECENTER rack the length of the SCSI cable is customized in order to offer the best possible cable management. The number of cables have to be ordered according to the number of SCSI channels.
Primergy SX10
SNP:SY-F1947E500-P
external Fast Wide SCSI cable, length customized
VHDCI-connector, 68 pol. - HD68(S)-connector, 68 pol. (srcrew connection)
Primergy SX10
S26361-F2400-E500
external Fast Wide SCSI cable, length customized
HD68(S)-connector, 68 pol. (srcrew connection) on both sides
If one of the devices installed in the PRIMERGY SX10 is a UW SCSI device, or the connection to the server is only UW cabable, the max. cablelength from server to SX10 is 1,8m.
The kind of cables used, depends on the SCSI-Controller which is in use.
Refer SX10 cabling sheet.
G

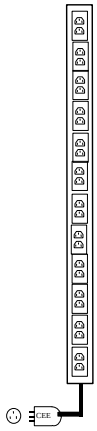
G

Within the basic units of PRIMECENTER racks, are no power outlets integrated.
It is possible to order such power outlets as follows (1- or 3- phase power outlet), or the connections to the mains can be done via an UPS. In case there is no 16A CEE plug choosen (1-phase solutions is with an 16A CEE plug, while it is choosable with the 3-phase solution), the connection to the mains (line) has to be done as an fix connectionfrom an certified electrician according to the existing regulations.
The maximum current load for each phase may not exceed 16amp (with fixed connection, CEE and safety socket), for each Euro socket connector may 10A not be exceeded.

3-phase power socket outlet 3~240 volt / 16 A

I

S26361-F2262-E31
3-phase permanent connection
with 3x8 (24) IEC320 C13 socjekts
12x dual pairs,
different colours per phase
+ 4m cable with 16A CEE (IEC 309)
red plug



1-phase power socket outlet 1~240 volt / 16A

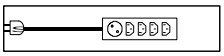
II

S26361-F2262-E40
1-phase connection with 10
Euro socket connectors, 4m
cable connected with 16A
CEE 1-phase plug blue colour

S26361-F2262-E41
1-phase permanent connection
with 10x IEC320 C13 Euro socket
connectors, 4m cable with NEMA
L6-30 plug only for **USA / CAN**

SNP:SY-F1903E2-P
Multiple socket outlet 4x peripherals +
1 x safety plug as extension, with
safety plug at the connection
cable (3m in length)
max. 2x per rack *)

III



*) Consider the power rating!

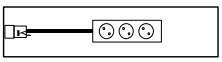
Extension of the 1/3 phase connection possibilities

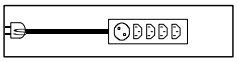
4

SNP:SY-F1903E1-P
Expansion 3 safety sockets (D)
as extension, with 10A Euro socket
connector at the connection cable
(1,5m in length)
1x per phase of the socket strip **I + II**

SNP:SY-F1903E2-P
Multiple socket outlet 4x peripherals +
1 x safety plug as extension, with
safety plug at the connection
cable (3m in length)
1x per phase of the socket strip **I**

Order numbers for
bulk delivery
S26361-F2262-L31
S26361-F2262-L40
S26361-F2262-L41
SNP:SY-F1903L1-P
SNP:SY-F1903L2-P





Max. number of socket strips:

S26361-F2262-E31
max. per rack
4x 46 U rack
3x 38 U rack
2x 24 U rack

S26361-F2262-E40
S26361-F2262-E45
max. per rack
6x 46 U rack
5x 38 U rack
3x 24 U rack
2x 12 U rack

SNP:SY-F1903E2-P
max. per rack
the Inrush current must
not be more than 3,5mA
2x 46 U rack
2x 38 U rack
2x 24 U rack
2x 12 U rack

H

H

Within the basic units of PRIMECENTER racks, are no power outlets integrated.
It is possible to order such power outlets as follows (1- or 3- phase power outlet), or the connections to the mains can be done via an UPS. The maximum current load for each phase may not exceed 32amp (IEC309, CEE plugs).
For each Euro socket connector IEC320 C14 may 10A and for IEC320 C20 may 16A not be exceeded.

3-phase power socket outlet 3~240 volt / 32 A

S26361-F2262-E332
3-phase permanent connection
with 3x3 (9) IEC320 C19 sockets
plus 3x2 (6) IEC320 C13 sockets
different colours per phase
secured by either 16A or 10A circuit breakers
+ 4m cable with 32A CEE (IEC 309) red plug

S26361-F2262-E301
mounting kit for horizontal mounting in a Rack
can carry up to 2 PDU`s E332 or as max.
as a max. configuration 4x PDU's E132
As a mixed configuration the customer
is able to configure 2x E132 and 1x E332
incl. 2x1U cover, support bracket, occupies 2U

1-phase power socket outlet 1~240 volt / 32A

S26361-F2262-E132
1-phase connection
with 3 IEC320 C19 sockets and 16A circuit breaker
plus 2 IEC320 C13 sockets and 10A circuit breaker
+ 4m cable with 32A CEE (IEC 309) blue plug
incl. support brackets for 19" vertical mounting

horizontal mounting ocupies 2U(S26361-F2262-E301)
For this the RMK must be ordered
for rear mountig, a support bracket is needed as well

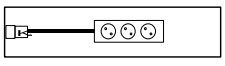
S26361-F2262-E45
1-phase connection with 8
Euro socket connectors, 4m
cable connected with 32A
CEE 1-phase (big) plug blue colour
Note: recommended for server > 1200 W

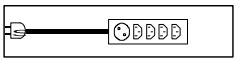
Order numbers for bulk delivery
S26361-F2262-L332
S26361-F2262-L132
S26361-F2262-L45
S26361-F2262-L301

Extension of the 1/3 phase connection possibilities

SNP:SY-F1903E1-P
Expansion 3 safety sockets (D)
as extension, with 10A Euro socket
connector at the connection cable
(1,5m in length)
1x per phase of the socket strip **I + II**

SNP:SY-F1903E2-P
Multiple socket outlet 4x peripherals +
1 x safety plug as extension, with
safety plug at the connection
cable (3m in length)
1x per phase of the socket strip **I**





Max. number of socket strips for **vertical** mounting:

S26361-F2262-E132 max. per rack
5x 46 U rack
4x 38 U rack
2x 24 U rack
1x 12 U rack
horizontal mounting only via new designed Rackmount kit S26361-F2262-E301 Socket strip RMK 2U horizontal

S26361-F2262-E332 max. per rack
2x 46 U rack
2x 38 U rack
1x 24 U rack
0x 12 U rack
horizontal mounting only via new designed Rackmount kit S26361-F2262-E301 Socket strip RMK 2U horizontal

I

I

Configurations see UPS configurator

Uninterruptible power supply for 220 V

Further information to the connection configurations and the orderable APC on-line / line Interactive UPS combinations as well as reference to the estimation of the power demand of the UPS you will find in the UPS configurator.
Here only the power connection possibilities of the servers are described to the UPS's.

Attention! This UPS does not support 110V - connection

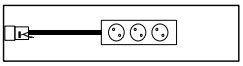
S26361-F2735-E15
Adapter angle 150 kg

For bulk delivery
S26361-F2262-L42
SNP:SY-F1903L1-P

Extension of the UPS connection possibilities

S26361-F2262-E42
1-phase power outlet with
10x periheral plugs
+ 2m cable with 16A IEC 320 C20
Only for connection to electrical outlets (16 A IEC 320C19) of the 3000 VA / 5000 VA UPSs.
It expands the number of usable power outlets.

SNP:SY-F1903E1-P
Multiple socket outlet, 3x safety plug as extension with peripheral power connector at the connection cable (1,5m in length)
1x per UPS

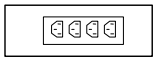


UPS configurator

Power connection sockets to the APC UPS for servers:

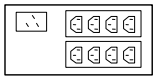
Line Interactive

1500 VA UPS



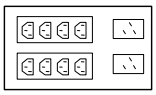
4x euro sockets -C13 (10A)

3000 VA UPS



8x euro sockets -C13 (10A)
1x euro socket -C19 (16A)

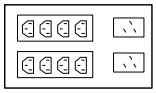
5000 VA UPS



8x euro sockets -C13 (10A)
2x euro sockets -C19 (16A)

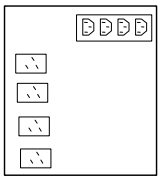
Online

3000 / 5000 VA UPS



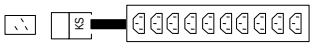
8x euro sockets -C13 (10A)
2x euro sockets -C19 (16A)

7500 / 10000 VA UPS



4x euro sockets -C13 (10A)
4x euro sockets -C19 (16A)
Terminal block fixed connection

UPS connections expandable through:

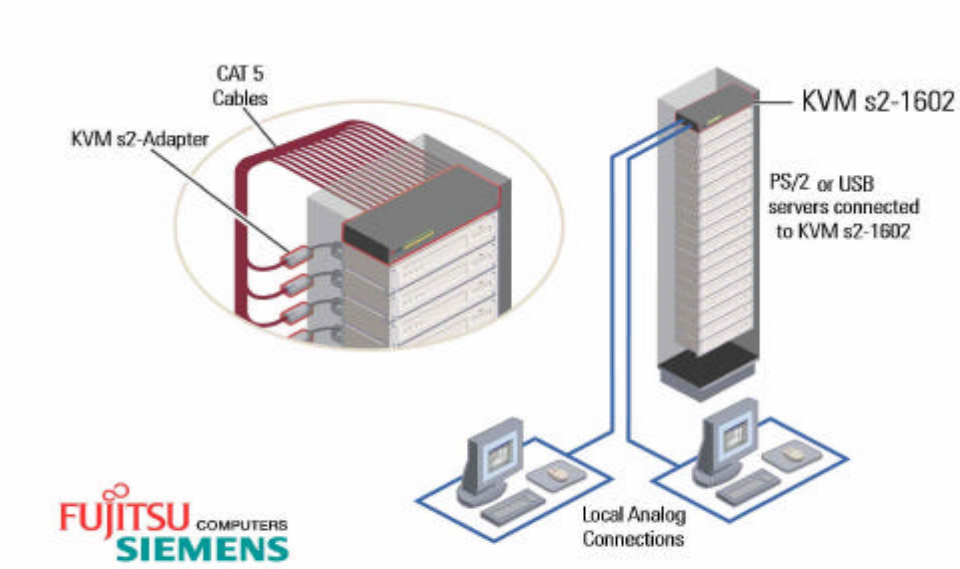


S26361-F2262-E42

SNP:SY-F1903E1-P

End of PRIMERGY 19" Rack

Configuration Examples KVM S2-1602 Switch

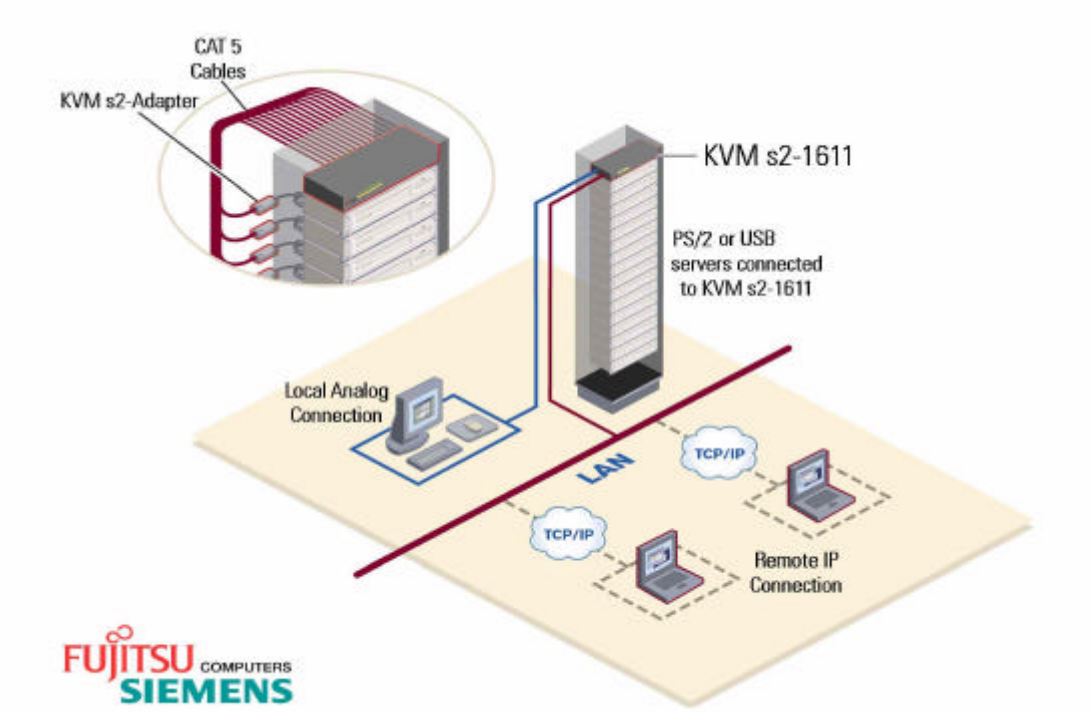


Bestellhinweis:

S26361-F2293-E602: Konsolswitch KVM S2-1602
S26361-F2293-E201: KVM S2-Adapter PS/2-VGA
S26361-F2293-E202: KVM S2-Adapter USB-VGA

RC21 oder RC22: Rack-Konsole
S26361-F2293-E501: UTP CAT 5 Kabel (Blau, RJ45)

Configuration Examples KVM S2-1611 Switch

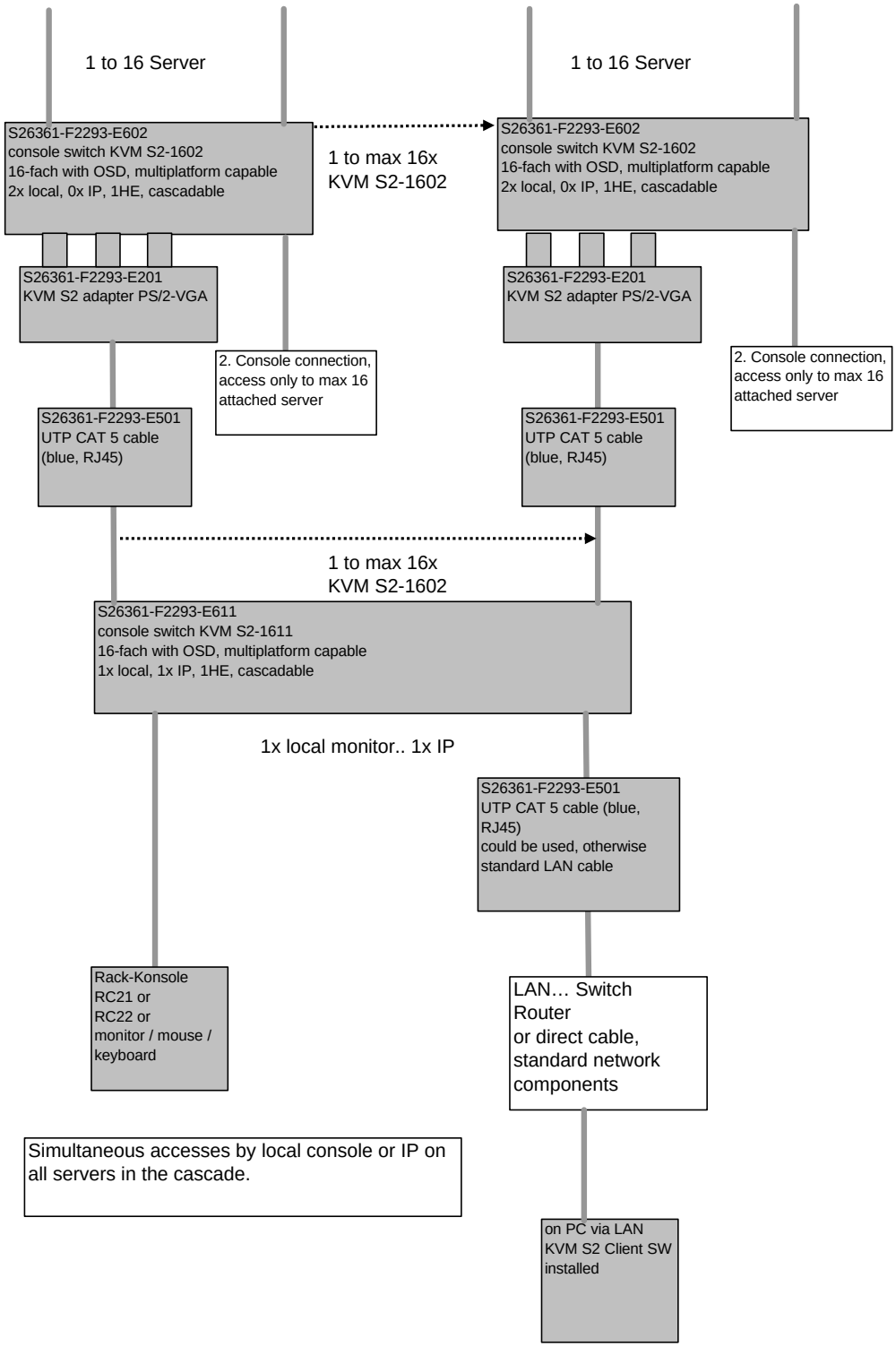


Bestellhinweis:

S26361-F2293-E611: Konsolswitch KVM S2-1611
S26361-F2293-E201: KVM S2 adapter PS/2-VGA
S26361-F2293-E202: KVM S2 adapter USB-VGA

S26361-F2293-E501: UTP CAT 5 Kabel (Blau, RJ45)
Rack-Konsole: RC21 oder RC22

Configuration examples cascade with KVM S2-1602 and KVM S2-1611 switch


1 to 16 Server
1 to 16 Server
S26361-F2293-E602
console switch KVM S2-1602
16-fach with OSD, multiplatform capable
2x local, 0x IP, 1HE, cascadable
1 to max 16x
KVM S2-1602
S26361-F2293-E602
console switch KVM S2-1602
16-fach with OSD, multiplatform capable
2x local, 0x IP, 1HE, cascadable
S26361-F2293-E201
KVM S2 adapter PS/2-VGA
S26361-F2293-E201
KVM S2 adapter PS/2-VGA
2. Console connection, access only to max 16 attached server
2. Console connection, access only to max 16 attached server
S26361-F2293-E501
UTP CAT 5 cable (blue, RJ45)
S26361-F2293-E501
UTP CAT 5 cable (blue, RJ45)
1 to max 16x
KVM S2-1602
S26361-F2293-E611
console switch KVM S2-1611
16-fach with OSD, multiplatform capable
1x local, 1x IP, 1HE, cascadable
1x local monitor.. 1x IP
S26361-F2293-E501
UTP CAT 5 cable (blue, RJ45)
could be used, otherwise standard LAN cable
Rack-Konsole
RC21 or
RC22 or
monitor / mouse / keyboard
LAN… Switch
Router
or direct cable, standard network components
Simultaneous accesses by local console or IP on all servers in the cascade.
on PC via LAN
KVM S2 Client SW installed

Lines for connecting the PRIMERGY SX30 to a server

For selecting the external cables see also overview of SCSI cables

External LVD SCSI cables

cables for connecting HDs to the server

without installation ex works

External LVD SCSI cable	2.0m	SNP:SY-F2365L20-P
External LVD SCSI cable	5.0m	SNP:SY-F2365L50-P

installation ex works

External LVD SCSI cable (length customized for DataCenter Rack)	SNP:SY-F2365E500-P

The cables SNP:SY-F2365 have on both sides a threaded 68pin VHDCI connector.
("Very High Density Cable Interconnect" UHD68(S), also named: VHDCI).

If the 10m cable is absolute necessary, you can use following cable: D:GPDS2-KB10

External SCSI cabling between PRIMERGY Server and PRIMERGY SX30

PRIMERGY Server RAID controller	cable no.	lengths 2,0 m	5.0 m	10.0 m	PRIMERGY SX30
On Board RAID (RX300 S2 only)					
LSI MegaRAID ROMB 1 channel Ultra320					PRIMERGY SX30 Single-Node
F3091	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single Channel
1 channel RAID Controller					
withdrawn product					
Mylex DAC960PRL 1 channel U2W/LVD					PRIMERGY SX30 Single-Node
F1961	SNP:SY-F2365	L20-P	L50-P		
withdrawn product					
Adaptec 2100 1 channel Ultra160					PRIMERGY SX30 Single-Node
F2405	SNP:SY-F2365	L20-P	L50-P		
withdrawn product					
Mylex AcceleRAID 160 1 channel Ultra160					PRIMERGY SX30 Single-Node
F2406	SNP:SY-F2365	L20-P	L50-P		
Adaptec 2120 1 channel Ultra320					PRIMERGY SX30 Single-Node
F2751	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single Channel
LSI MegaRAID 320-1 1 channel Ultra320					PRIMERGY SX30 Single-Node
F3005	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single Channel
2 channel RAID Controller					
withdrawn product					
DPT 2664U3 2 channel Ultra160	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single-Node
F2189	SNP:SY-F2365	L20-P	L50-P		
withdrawn product					
Adaptec 3200 2 channel Ultra160	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single-Node
F2385	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Dual-Node U160
withdrawn product					
Mylex AcceleRAID 352 2 channel Ultra160	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single-Node
F2569	SNP:SY-F2365	L20-P	L50-P		
					Attention: max. 5m cable length
Adaptec 2200 2 channel Ultra320	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single-Node
F2752	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single Channel
Cluster Controller					
LSI MegaRAID 320-2 1 channel Ultra320	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single-Node PRIMERGY SX30 Single Channel
F3006	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Dual-Node U320
withdrawn product					
LSI MegaRAID 320-2x 1 channel Ultra320	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single-Node
F3090	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single Channel
3 channel RAID Controller					
withdrawn product					
Mylex DAC1164P 3 channel U2W/LVD	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single-Node
F1959 / F1960	SNP:SY-F2365	L20-P	L50-P		
4 channel RAID Controller					
withdrawn product					
Mylex EXR2000 Big Apple 4 channel U160	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single-Node
	SNP:SY-F2365	L20-P	L50-P		
	SNP:SY-F2356	L20-P	L50-P		PRIMERGY SX30 Single-Node
F2190	SNP:SY-F2365	L20-P	L50-P		
					Attention: max. 5m cable length
LSI MegaRAID 320-4x 4 channel Ultra320	SNP:SY-F2365	L20-P	L50-P		PRIMERGY SX30 Single-Node
	SNP:SY-F2365	L20-P	L50-P		
	SNP:SY-F2356	L20-P	L50-P		PRIMERGY SX30 Single-Node
F3007	SNP:SY-F2365	L20-P	L50-P		

UHD68(S), also: VHDCI connector, 68-pin

There is no CAN-Bus connection from the PRIMERGY SX30 to the Server necessary and it will not be supported.

External SCSI cabling between PRIMERGY Server (Controller) and PRIMERGY SX10

PRIMERGY Server SCSI controller		cable no.	lengths 1.5m	1.8m	5.0 m	PRIMERGY SX10
On-Board Controller						
D1180 1 channel UW	●	S26361-F2400-	L15			● ○ PRIMERGY SX10
D1305 1 Kanal U2W	●	S26361-F2400-	L15			● ○ PRIMERGY SX10
SYMBIOS 53C875 1 channel UW/16Bit	●	S26361-F2400-	L15			● ⊖ PRIMERGY SX10
SYMBIOS 53C895 1 channel U2W	●	S26361-F2400-	L15		L50	● ⊖ PRIMERGY SX10
SYMBIOS 53C896 1 channel U2W	◎	SNP:SY-F1947-		L18-P	L50-P	● ⊖ PRIMERGY SX10
LSI 53C1010 SCSI Extern N200	◎	SNP:SY-F1947-		L18-P	L50-P	● ⊖ PRIMERGY SX10
T26139-Y3882-E101 SCSI Extern RX300/TX600	◎	SNP:SY-F1947-		L18-P	L50-P	● ⊖ PRIMERGY SX10
T26139-Y3882-E1 SCSI Extern L200	◎	SNP:SY-F1947-		L18-P	L50-P	● ⊖ PRIMERGY SX10
T26139-Y3849-E1 SCSI Extern TX200/TX300	●	S26361-F2400-	L15			● ⊖ PRIMERGY SX10
SNP:SY-F2287E2-A SCSI Extern H250/H450	◎	SNP:SY-F1947-		L18-P	L50-P	● ⊖ PRIMERGY SX10
SNP:SY-F2287E5-P SCSI Extern N400	◎	SNP:SY-F1947-		L18-P	L50-P	● ⊖ PRIMERGY SX10
S26361-F2287-E15 SCSI Extern R450	◎	SNP:SY-F1947-		L18-P	L50-P	● ⊖ PRIMERGY SX10
Onboard U160 SCSI ExternT850	◎	SNP:SY-F1947-		L18-P	L50-P	● ⊖ PRIMERGY SX10
External SCSI Controller						
Adaptec 2940 UW 1 channel UW/F1630	●	S26361-F2400-	L15			● ⊖ PRIMERGY SX10
Adaptec 2940 U2W 1 channel U2W/F2068	●	S26361-F2400-	L15		L50	● ⊖ PRIMERGY SX10
Adaptec 29160N 1 channel U160/F2399	●	S26361-F2400-	L15		L50	● ⊖ PRIMERGY SX10
Adaptec 29160N LP 1 Kanal U160/F2737	●	S26361-F2400-	L15		L50	● ⊖ PRIMERGY SX10

● HD68(S) connector, 68-pin (screw connection)
○ HD68(V) connector, 68-pin (interlocking)
◎ UHD68(S), also: VHDCI connector, 68-pin

More information on cabeling

For selecting the external cables refer also to the above overview about cabeling and pay atention to the backup devices in use.

no installation ex works:

External LVD SCSI cable	1,8m	SNP:SY-F1947L18-P
External LVD SCSI cable	5,0m	SNP:SY-F1947L50-P

installation ex works:

External LVD SCSI cable	length customized	SNP:SY-F1947E500-P

also for cascading

The cables -F1947 have a screwed VHDCI connector on one side ("very high density", also: UHD68(S), SPI-2) and a screwed HD68(S) connector (also: MiniD68M) on the other side

no installation ex works:

External LVD SCSI cable	1,5m	S26361-F2400-L15
External LVD SCSI cable	5,0m	S26361-F2400-L50

installation ex works:

External LVD SCSI cable	length customized	S26361-F2400-E500

The cables -F2400 have a screwed HD68(S) connector on one side as well as on the other side (also: MiniD68M).

System configurator and order-information guide :

FibreCAT® SX40

http://extranet.fujitsu-siemens.com/vil/pc/vil/konfiguratoren/prim-konf/cnfgsx40.pdf

General LAN-Cabling

PRIMERGY Server		Cable- Nr.	Length 2, 3, 5m	Length 5, 10, 15m	LAN-Switch	
TX150 S2, S3, S4	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
TX200 S2	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
TX300 S2	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
TX300 S2	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
RX100 S3	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
RX200 S2, S3	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
RX220	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
RX300 S2, S3	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
RX600 S3	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
RX800 S2	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
RXI300	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
RXI600	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
PRIMEQUEST 5xx	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
APC-USV'en LAN on Board	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X
Mastergard USV'en Uber LAN-Adapter	●	S26361-F3417-E500 S26361-F3417-L3/L505/L510/L515	X	X	●	X

- LAN RJ45

LAN-Switches means: all Storage-LAN Switches as well as the Ethernet-Switch D:GP70F-AL21

LAN-CAT 5 Enhanced, customized, order number: **S26361-F3417-E500**
LAN-CAT 5 Enhanced, l=3m, Order number: S26361-F3417-L3
LAN-CAT 5 Enhanced, l=5m, Order-number: S26361-F3417-L505 (if available)
LAN-CAT 5 Enhanced, l=10m, Order number: S26361-F3417-L510
LAN-CAT 5 Enhanced, l=15m, Order-number: S26361-F3417-L515 (if available)

Additional informations about cabling

Other Informations about LAN cabling / controller releases e.g.) see the respective configurator

Use also above overview only with the 5m-, 10m-, 15m-cable
to the wiring for the selection of the rack-spreading LAN wiring please.

- LAN RJ45

Cross-Over LAN cable, quality= CAT 5 E, is needed for INTERCONNECT

LAN-CAT 5 E, Cross-Over, length = 5m, Order-number: S26361-F3482-E5 (if available)
LAN-CAT 5 E, Cross-Over, length = 5m, Order-number: S26361-F3482-L5 (if available)

Information about Smart USV in the internet see:

http://extranet.fujitsu-siemens.com/vil/pc/vil/primergy/components/pf_primergy_usv-dim_e.doc;internal&action=plain.action

general rack accessories

S26361-F1331-L300 **RMK CR additional to RMK TX200/300 S2**
additional RMK incl. cable guide for mounting of TX200/300S2 / RX300S2 in PY 19" 23/42HE Classic Racks

CONFIGURATION HINTS:
is needed additional to the RMK shipped with the TX200/300S2 / RX300S2.

S26361-F1331-L200 **RMK CR additional to RMK TX/RX600**
additional RMK for mounting of RX/TX600 in PY 19" 23/42HE Classic Racks

CONFIGURATION HINTS:
is needed additional to the RMK shiped with the RX/TX600.

SNP:SY-F1331L102-P **RMK 10 CR sliding rails**
1 pair of sliding rails / 2 holders / 1 cable carrier. This number is to be used for assembly of the SX30/60 in a 42/23U classic rack.

CONFIGURATION HINTS:
Only for assembly in an existing 42/23U 19" classic rack

SNP:SY-F1331L51-P **sliding rails UPS for classic rack**
for installation in 19" rack for USP, etc.

S26361-F2734-L20 **RMK 10 D/P/3rd P racks sliding rails**
1 pair silding rails, depth: 710-815mm incl. support bracket, 1x cable management and 2 power cords

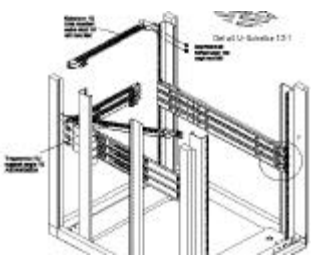
CONFIGURATION INDICATION:
For server mounting into a 19" DataCenter/PRIMECENTER rack and 3rd party racks.

S26361-F2734-L70 **RMK 6 D/P/3rd P Racks telescopic rails**
PC and 3rd party racks

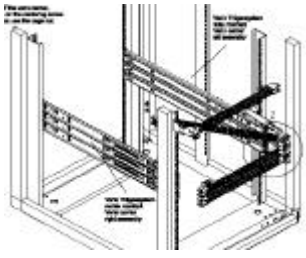
SNP:SY-F2262L20-P **Cable magmt. for 19" DC- PC- Rack**
cable management for adding a server or storage subsystem from a 3rd party rack into the PRIMECENTER rack

S26361-F2735-L8 **1U cable arm**
cable arm for 1U PRIMERGY server, dragged for PRIMECENTER- and 3rd-party racks
Detail: mounted 1U cable arm at the left sife of 19"
profile
open with Adobe Acrobat reader

View: front to rear
open with Adobe Acrobat reader



Rear view rack: 1U cable arms
open with Adobe Acrobat reader



SNP:SY-F1609L1-P **Dummy panel1U**
for assembly in 19" rack

SNP:SY-F1609L2-P **Dummy panel 2U**
for assembly in 19" rack

SNP:SY-F1609L3-P **Dummy panel 3U**
for assembly in 19" rack

SNP:SY-F1609L5-P **Dummy panel 5U**
for assembly in 19" rack

S26361-F2735-L10 **Support bracket, max. load up to 50kg**

S26361-F2735-L15 **Support bracket, max. load up to 150kg**

S26361-F2735-L1 **Rotary knob**
Rotary knob as door latch replacement
For replacement of the key cylinder, in order to open or close the doors of a PC-Rack without the use of keys
- 2 pieces rotary knobs
- 1 removal tool for key zylinder

max. 1x per rack

S26361-F1609-L35 **Add-on base plate, 680mm deep 1U**
for assembly in 19" rack (1U), with support bracket, anthracite

S26361-F1609-L17 **Monitor mounting kit 11U f.17"u.15"-displays**
for assembly in 19" rack, base plate and front panel + support bracket 1U
max. load up to 50kg, without monitor

S26361-F2735-L500 **cage nut set, M5, t=2,5mm**
Content: 50 pieces
orderable to boxes, server and racks

Changereport

Date	Ordernumber	Changes
2007-09-26	S26361-F2735-E130/131	Dummy panel (plastics) 1U, 2U - now available
2007-09-26	SNP:SY-F1609E1-P*	Dummy panel (metal) 1U, 2U, 3U, 5U - no longer available
2007-02-28		register: general rack accessories and Information Config SX40 added
2006-11-28	S26361-F2735-E8	1U cable arm, hauled - now available
2006-10-30	S26361-F2734-E31	RMK 1 D/P/3rd P Racks telescopic rails for PRIMERGY C150/C200/TX150 (5 U) - no longer available
2006-09-12		Server Restriction for Virtual Media not applicable any more
2006-08-21	S26361-K826-V213	PRIMECENTER Rack 38 U 1100 deep - as soon as available
2006-08-14	S26361-F1647-E100	Rack demounting server ex factory, always(stating now) 1x part of the 46U-racks
2006-08-14	D:GPRAC-ZB0623 S26361-F2201-L20	cable guide adapter and cable management arm for 3rd party racks, optionally for PCR2 orderable
2006-07-24	S26361-F2262-E301	Socket strip RMK 2U horizontal - now available
2006-06-26	S26361-F3417-E500/L510	LAN-Cabling - from 2006-07-10 available
2006-05-24	S26361-F2829-E1	SCSI-Switch for Server Shield - no longer available
2006-05-24	S26361-F2293-E611	Console Switch KVM S2-1611 - no longer available
2006-04-24	SNP:SY-F1954E1-P	3-phase power cord 7m - no longer available
2006-04-24	SNP:SY-F1609E10-P	Monitor installation kit - no longer available
2006-03-24	SNP:SY-F2262E30-P	Socket strip 3x 5 plugs + assembly - no longer available
2006-03-24	SNP:SY-F2262E30-P	Socket strip 3x 5 plugs + assembly - no longer available
2006-03-17	S26361-F2293-E203	KVM s3-Adapter-USB20-VGA - as soon as available
2006-03-17	S26361-F2293-E621	Konsolswitch KVM s3-1621 - as soon as available
2006-03-17	S26361-F2293-E411	Konsolswitch KVM s2-0411 - as soon as available
2006-02-21	S26361-F3401-E*00	Keyboard drawer plus KB *** 1U - now available
2006-02-21	S26361-F3103-E22*	Keyboard drawer plus KB *** 1U - no longer available
2006-01-24	S26361-F3103-E220	Keyboard drawer plus KB DE/INT 1U - no longer available
2006-01-17	S26361-F2262-E132	1-phase connection - now available
2006-01-17	S26361-F2262-E332	3-phase permanent connection - now available
2005-12-20	S26361-F2735-E30	Cable magmt. rack f. BX300 PCI modul - no longer available
2005-10-24	S26361-F1652-E4	Modem extern 56kbps (V.90) MultiTech - no longer available
2005-10-24	S26361-F1647-E100	Rack demounting server ex factory Service fee - now available
2005-10-04	S26361-F2844-E22*	Rack console RC22 (1U) - no longer available
2005-08-05	S26361-K1023-V100 - V800	RC23 17" TFT Rackdrawer with new order number available
2005-08-05	SNP:SY-F1609E30-P / L30-	Device base plate - no longer available
2005-06-16	S26361-K826-V107	PRIMECENTER Rack 46 U - no longer available
2005-06-16	S26361-K826-V106	PRIMECENTER Rack 38 U - no longer available
2005-06-16	S26361-K826-V105	PRIMECENTER Rack 24 U, stackable - no longer available
2005-06-16	S26361-F2262-E45	1-phase connection with 8 Euro socket connectors, 4m - now available
2005-06-16	S26361-F1609-E17	Monitor installation kit for 15"and 17" TFT - now available
2005-06-16	S26361-F1609-E35	Device base plate, 680mm deep - now available
2005-06-16	S26361-K1022-V200	PRIMECENTER LC Rack 46U / 40U - now available
2005-06-16	S26361-K1022-V100	PRIMECENTER LC Rack 38U / 31U - now available
2005-04-18	SNP:SY-F2293E500-P	Adapter set for connecting console switch to keyboard - no longer available
2005-04-18	S26361-F1652-E20	Modem holder three-way, 1U for D/P/3rd P Racks - no longer available
2005-04-18	S26361-F2262-E45	1-phase connection with 8 Euro socket connectors, 4m - as soon as available
2005-04-18	S26361-F1609-E35	Device base plate, 680mm deep - as soon as available
2005-04-18	S26361-F1609-E17	Monitor installation kit for 15"and 17" TFT monitor - as soon as available
2005-03-14	S26361-K1022-V200	PRIMECENTER LC Rack 46U / 40U - as soon as possible
2005-03-14	S26361-K1022-V100	PRIMECENTER LC Rack 38U / 31U - as soon as possible
2005-03-01	(S26361-F1647-L700)	from now on "Special configuration Hybrid-rack installation" possible
2005-02-24	S26361-F2293-E100	8-way digital KVM switch bundle - no longer available
2004-07-23	S26361-F3103-E22x/L22x	further country spezific keyboard drawers 1U incl. keyboard - now available
2004-06-15	S26361-F1806-E9	Rackkeyboard DE / INT with touchpad - no longer available
2004-06-15	S26361-F1806-E10	Rackkeyboard DE / INT with touchpad - no longer available
2004-06-15	SNP:SY-F2293E40-P	Console switch 4x (ES4+) 1U + ass. - no longer available
2004-06-15	SNP:SY-F2293E80-P	Console switch 8x (ES8+) 1U + ass. - no longer available
2004-06-15	S26361-F1609-E25	Keyboarddrawer+assembly without Keyboard - no longer available
2004-06-15	S26361-F1806-E14	Rackkeyboard DE/INT+assembly - no longer available
2004-06-15	S26361-F1806-E25	Rack console RC21 (2U) - no longer available
2004-06-15	S26361-F2734-E30	EBS 2 D/P/3rd P Racks Teleskopschienen - no longer available
2004-06-15	S26361-F2262-E31	Socket strip 3-phase 3x 8 sockets - now available
2004-06-15	S26361-F3103-E220/E224	Keyboard drawer plus KB DE/INT 1U - now available